Name:_____

Section:_____

MATH 120E
QUIZ 2
You may use a scientific calculator to complete this quiz. No notes please.

1. The graph of $f(x)$ is made up of lines and a semi-circle.

    (a) Find the multipart formula for $f(x)$.

    (b) Find all values of x for which $f(x) = 1$.

2. Let $g(x) = -6x^2 + 48x - 107$. Determine whether $g(x)$ has a maximum or a minimum value and find that value.